



3657

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: **BRIAN SNOWDON**)
)
Serial Number: 10/694,265)
)
Filed: October 27, 2003)
)
Title: METHOD AND APPARATUS FOR)
PNEUMATIC CONVEYING OF)
DRILL CUTTINGS)
)
Art Unit: 3651)
Confirmation No.:)
Attorney Docket No.: 798003620033)

MAIL STOP DD
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Applicants submit herewith patents of which they are aware, which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR 1.56. However, submitting this information is not intended to constitute an admission that any patent, publication or other information referred to herein either is "material" pursuant to 37 CFR 1.56 or is "prior art" for this invention.

In accordance with 37 CFR 1.97(g), (h), the filing of the Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(b) exists.

A list of patent(s) and/or publications is set forth on the attached Form PTOL-1449.

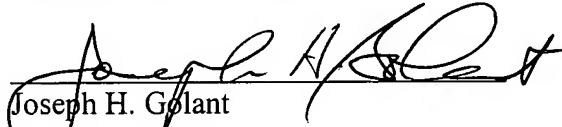
Copies of all available patents are supplied herewith for the Examiner's convenience.

It is respectfully submitted that the present invention is deemed patentable over the cited references, whether taken singly or in combination. Applicants are submitting these references for consideration by the Examiner and for purposes of entering these citations in the official file in order to comply with their duty of candor.

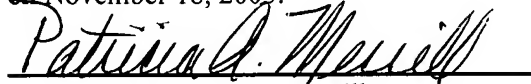
If a fee is due, the Patent Office is authorized to debit our deposit account number 10-1202.


Respectfully submitted,

November 18, 2003


Joseph H. Golant
Registration No. 24,210
JONES DAY
77 West Wacker Drive
Chicago, Illinois 60601-1692
(312) 782-3939

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to: **Mail Stop DD,**
Commissioner for Patents, P.O. Box 1450,
Alexandria, VA. 22313-1450
on November 18, 2003.


Patricia A. Merrill

| | | |
|---|---|---|
| Information Disclosure Statement by Applicant  | ATTY DOCKET NO. 798003620033 | APPLICATION SERIAL NO. 10/694,265 |
| | APPLICANT: BRIAN SNOWDON | |
| | FILING DATE: October 27, 2003 | GROUP: 3651 |

U.S. PATENT DOCUMENTS

| Examiner Initial | Patent No. | Date | Inventor(s) | Class | Subclass | Filing Date if Appropriate |
|------------------|------------|------------|---------------------------|-------|----------|----------------------------|
| | 599,702 | 03/01/1898 | F. M. Griswold | | | |
| | 1127660 | 02/09/1915 | J. H. McMichael | | | |
| | 1309671 | 07/15/1919 | C. B. Weaver | | | |
| | 1347358 | 07/20/1920 | S. H. Adams, et al. | | | |
| | 1782681 | 11/25/1930 | L. R. Foss, et al. | | | |
| | 1983185 | 12/04/1934 | J. L. Novak | | | |
| | 2073982 | 03/16/1937 | G. C. Woodruff | | | |
| | 2115023 | 04/26/1938 | J. E. Kennedy, et al. | | | |
| | 2380651 | 07/31/1945 | H. T. Jeffery | | | |
| | 2599235 | 06/03/1952 | R. L. Coney | | | |
| | 2612297 | 09/30/1952 | J. G. Bain | | | |
| | 2753220 | 07/03/1956 | M. F. Kemper | | | |
| | 3001829 | 09/26/1961 | L. De Saint-Martin | | | |
| | 3136456 | 06/09/1964 | W. A. Sherbondy | | | |
| | 3195960 | 07/20/1965 | W. J. C. Trythall | | | |
| | 3197259 | 07/27/1965 | H. Braun-Angott | | | |
| | 3258176 | 06/28/1966 | C. Raczyński | | | |
| | 3272393 | 09/13/1966 | J. O. Roeser | | | |
| | 3281019 | 10/25/1966 | J. P. Curry | | | |
| | 3362487 | 01/09/1968 | L. M. Lindsey | | | |
| | 3363404 | 01/16/1968 | P. H. Griffin III, et al. | | | |
| | 3369716 | 02/20/1968 | C. E. Hulbert, Jr. | | | |
| | 3501061 | 03/17/1970 | W. Hermanns | | | |
| | 3568865 | 03/09/1971 | G. Willmroth | | | |
| | 3586383 | 06/22/1971 | W. J. C. Trythall | | | |



Attorney Docket No. 798003620033
 Application No.: 10/694,265
 Applicant: Brian Snowdon
 Filing Date: October 27, 2003
 Group: 3651

| | | | | | | | |
|--|--|---------|------------|----------------------------|--|--|--|
| | | 3773230 | 11/20/1973 | R. Murfitt | | | |
| | | 37707 | 03/19/1974 | A. W. Jenike, et al. | | | |
| | | 3809436 | 05/07/1974 | C. P. Claffone | | | |
| | | 3811518 | 05/21/1974 | A. M. Kalaf, et al. | | | |
| | | 3921858 | 11/25/1975 | R. A. Bemm | | | |
| | | 3955717 | 05/11/1976 | R. E. Landau | | | |
| | | 3964557 | 06/22/1976 | H. C. Juykam-Wold | | | |
| | | 4036099 | 07/19/1977 | G. B. French | | | |
| | | 4059195 | 11/22/1977 | E. J. C. MacDonald, et al. | | | |
| | | 4059311 | 11/22/1977 | A. Spitzer, et al. | | | |
| | | 4073244 | 02/14/1978 | B. Snowdon | | | |
| | | 4098541 | 07/04/1978 | C. Côté | | | |
| | | 4101175 | 07/18/1978 | G. A. Kull | | | |
| | | 4113151 | 09/12/1978 | R. M. Brown, et al. | | | |
| | | 4137935 | 02/06/1979 | B. Snowdon | | | |
| | | 4174868 | 11/20/1979 | J. M. De Nardo | | | |
| | | 4175039 | 11/20/1979 | J. D. Fisher | | | |
| | | 4209381 | 06/24/1980 | J. Kelly, Jr. | | | |
| | | 4242146 | 12/30/1980 | J. Kelly, Jr. | | | |
| | | 4355929 | 10/26/1982 | B. Snowdon | | | |
| | | 4439069 | 03/27/1984 | J. Kelly, Jr., et al. | | | |
| | | 4451184 | 05/29/1984 | D. S. Mitchell | | | |
| | | 4515503 | 05/07/1985 | B. Snowdon | | | |
| | | 4525282 | 06/25/1985 | Bartsch et al. | | | |
| | | 4526121 | 07/02/1985 | Shudo et al. | | | |
| | | 4645608 | 02/24/1987 | J. J. Rayborn | | | |
| | | 4662799 | 05/05/1987 | K. D. Paul, et al. | | | |
| | | 4671431 | 06/09/1987 | G. Obrist | | | |
| | | 4683963 | 08/04/1987 | J. L. Skinner | | | |
| | | 4696353 | 09/29/1987 | S. A. Elmquist, et al. | | | |



Attorney Docket No. 798003620033
 Application No.: 10/694,265
 Applicant: Brian Snowdon
 Filing Date: October 27, 2003
 Group: 3651

| | | | | | | | |
|--|--|---------|------------|--------------------------|--|--|--|
| | | 4699548 | 10/01/1987 | D. A. Bergstrom | | | |
| | | 4747961 | 05/31/1988 | G. L. Beer, et al. | | | |
| | | 4793423 | 12/27/1988 | B. C. Knol | | | |
| | | 4823989 | 04/25/1989 | A. Nilsson | | | |
| | | 4834587 | 05/30/1989 | M. F. Crawley, et al. | | | |
| | | 4836302 | 06/06/1989 | J. K. Heilhecker, et al. | | | |
| | | 4872949 | 10/10/1989 | C. M. Wilwerding | | | |
| | | 4913245 | 04/03/1990 | J. L. Skinner | | | |
| | | 4942929 | 07/24/1990 | E. Malachosky, et al. | | | |
| | | 5012957 | 05/07/1991 | S. Mihail | | | |
| | | 5109933 | 05/05/1992 | J. E. Jackson | | | |
| | | 5125540 | 06/30/1992 | H. Rodriguez | | | |
| | | 5129468 | 07/14/1992 | A. S. Parmenter | | | |
| | | 5129469 | 07/14/1992 | J. E. Jackson | | | |
| | | 5150666 | 09/29/1992 | T. W. Momont, et al. | | | |
| | | 5213446 | 05/25/1993 | H. T. Dovan | | | |
| | | 5226575 | 07/13/1993 | S. Faust | | | |
| | | 5226749 | 07/13/1993 | T. K. Perkins | | | |
| | | 5303786 | 04/19/1994 | M. L. Prestridge, et al. | | | |
| | | 5310285 | 05/10/1994 | T. J. Northcott | | | |
| | | 5314265 | 05/24/1994 | T. K. Perkins, et al. | | | |
| | | 5330017 | 07/19/1994 | T. H. Hart, et al. | | | |
| | | 5339912 | 08/23/1994 | S. Hosie, et al. | | | |
| | | 5341882 | 08/30/1994 | A. H. Hale | | | |
| | | 5356034 | 10/18/1994 | H. Schlumberger | | | |
| | | 5402857 | 04/04/1995 | G. H. Dietzen | | | |
| | | 5405223 | 04/11/1995 | G. Sirevag | | | |
| | | 5454957 | 10/03/1995 | J. W. Roff, Jr. | | | |
| | | 5494381 | 02/27/1996 | R. D. Heyl, et al. | | | |
| | | 5542719 | 08/06/1996 | H. L. Nordin | | | |



Attorney Docket No. 798003620033
 Application No.: 10/694,265
 Applicant: Brian Snowdon
 Filing Date: October 27, 2003
 Group: 3651

| | | | | | | | |
|--|--|---------|------------|----------------------------|--|--|--|
| | | | 09/17/1996 | J Chinh | | | |
| | | 5564509 | 10/15/1996 | G. H. Dietzen | | | |
| | | 5570749 | 11/05/1996 | L. M. Reed | | | |
| | | 5584416 | 12/17/1996 | G. Florian | | | |
| | | 5589603 | 12/31/1996 | A. H. D. Alexander, et al. | | | |
| | | 5618136 | 04/18/1997 | D. K. Smoot | | | |
| | | 5686685 | 11/11/1997 | K. J. McDonald, et al. | | | |
| | | 5725021 | 03/10/1998 | J. L. Dallas | | | |
| | | 5755892 | 05/26/1998 | C. Herold, et al. | | | |
| | | 5816450 | 10/06/1998 | D. C. Alexander, et al. | | | |
| | | 5839521 | 11/24/1998 | G. H. Dietzen | | | |
| | | 5842529 | 12/01/1998 | G. H. Dietzen | | | |
| | | 5863430 | 01/26/1999 | J. T. Williams | | | |
| | | 5913372 | 06/22/1999 | G. H. Dietzen | | | |
| | | 5928519 | 07/27/1999 | E. D. Homan | | | |
| | | 5964304 | 10/12/1999 | S. J. Morrison | | | |
| | | 5971084 | 10/26/1999 | G. H. Dietzen | | | |
| | | 5996484 | 12/07/1999 | J. Reddoch | | | |
| | | 6009959 | 01/04/2000 | G. H. Dietzen | | | |
| | | 6085939 | 07/11/2000 | M. Geweke, et al. | | | |
| | | 6152656 | 11/28/2000 | Curtis et al. | | | |
| | | 6170580 | 01/09/2001 | J. Reddoch | | | |
| | | 6179070 | 01/30/2001 | G. Dietzen | | | |
| | | 6179071 | 01/30/2001 | G. Dietzen | | | |
| | | 6213227 | 04/10/2001 | G. H. Dietzen | | | |
| | | 6224534 | 05/01/2001 | J. M. Limia, et al. | | | |
| | | 6234258 | 05/22/2001 | J. M. Karigan | | | |
| | | 6279471 | 08/28/2001 | J. Reddoch | | | |
| | | 6325572 | 12/04/2001 | Frederic Dietrich | | | |
| | | 6328118 | 12/11/2001 | J. M. Karigan, et al. | | | |
| | | 6345672 | 02/12/2002 | G. Dietzen | | | |
| | | 6368029 | 04/09/2002 | Gerard E. d'Aquin | | | |
| | | 6443613 | 09/03/2002 | Robert Rumph | | | |
| | | 6453584 | 09/24/2002 | L. A. Buckner | | | |
| | | 6530438 | 03/11/2003 | Barry E. McIntyre | | | |



Attorney Docket No. 798003620033
 Application No.: 10/694,265
 Applicant: Brian Snowdon
 Filing Date: October 27, 2003
 Group: 3651

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|--|-----------------|------------|--------------|--|--|--|
| | | Document Number | Date | Country | | | |
| | | EP 0060136 | 05/07/1988 | European | | | |
| | | EP 0060137 | 09/15/1982 | European | | | |
| | | EP 0140570 | 05/08/1985 | European | | | |
| | | EP 0223589 | 07/24/1991 | European | | | |
| | | EP 0630839 | 12/28/1994 | European | | | |
| | | EP 0787671 | 08/06/1997 | European | | | |
| | | WO 82/00992 | 04/01/1982 | PCT | | | |
| | | WO 90/08712 | 08/09/1990 | PCT | | | |
| | | WO 95/0426 | 01/05/1995 | PCT | | | |
| | | 419756 | 11/19/1934 | UK | | | |
| | | 671111 | 04/30/1952 | UK | | | |
| | | 770377 | 03/20/1957 | UK | | | |
| | | 779479 | 07/24/1957 | UK | | | |
| | | 1094080 | 12/06/1967 | UK | | | |
| | | 1151246 | 05/07/1969 | UK | | | |
| | | 1172575 | 12/03/1969 | UK | | | |
| | | 1216009 | 12/16/1970 | UK | | | |
| | | 1216506 | 12/23/1970 | UK | | | |
| | | 1216507 | 12/23/1970 | UK | | | |
| | | 1386710 | 03/12/1975 | UK | | | |
| | | 1426035 | 02/25/1976 | UK | | | |
| | | 1564311 | 04/10/1980 | UK | | | |
| | | 1595065 | 08/05/1981 | UK | | | |
| | | 2147397 | 05/09/1985 | UK | | | |
| | | 2183210 | 06/03/1987 | UK | | | |
| | | 2279429 | 01/04/1995 | UK | | | |
| | | 2330600 | 04/28/1999 | UK | | | |
| | | 1-291192 | 10/22/1991 | Canada | | | |
| | | 0214519 | 08/28/1989 | Japan | | | |
| | | 1751121 | 07/30/1992 | Soviet Union | | | |
| | | 1013222 | 08/01/1957 | Germany | | | |
| | | 1031215 | 05/29/1958 | Germany | | | |
| | | 1121997 | 01/11/1962 | Germany | | | |



Attorney Docket No. 798003620033
 Application No.: 10/694,265
 Applicant: Brian Snowdon
 Filing Date: October 27, 2003
 Group: 3651

| | | | | | | | |
|--|--|---------|------------|---------|--|--|--|
| | | 1128809 | 04/26/1962 | Germany | | | |
| | | 1277119 | 09/05/1968 | Germany | | | |
| | | 1296097 | 05/22/1969 | Germany | | | |
| | | 2328496 | 01/02/1975 | Germany | | | |
| | | 2616430 | 11/18/1976 | Germany | | | |
| | | 2755671 | 06/21/1979 | Germany | | | |
| | | 2922453 | 12/04/1980 | Germany | | | |
| | | 3012065 | 10/22/1981 | Germany | | | |
| | | 3233099 | 03/08/1984 | Germany | | | |
| | | 3303542 | 08/16/1984 | Germany | | | |
| | | 3333433 | 03/21/1985 | Germany | | | |
| | | 3410244 | 10/03/1985 | Germany | | | |
| | | 3439251 | 04/30/1986 | Germany | | | |
| | | 4007430 | 09/12/1991 | Germany | | | |
| | | 4010676 | 10/10/1991 | Germany | | | |
| | | 642010 | 08/17/1928 | France | | | |
| | | 979085 | 04/23/1951 | France | | | |
| | | 1154954 | 04/18/1958 | France | | | |
| | | 1184961 | 07/28/1959 | France | | | |
| | | 1285957 | 01/22/1962 | France | | | |
| | | 1295567 | 05/02/1962 | France | | | |
| | | 1349001 | 12/02/1963 | France | | | |
| | | 1382944 | 11/16/1964 | France | | | |
| | | 1396528 | 03/15/1965 | France | | | |
| | | 1477357 | 03/06/1967 | France | | | |
| | | 1507659 | 11/20/1967 | France | | | |
| | | 1551795 | 11/12/1968 | France | | | |
| | | 2237819 | 02/14/1975 | France | | | |
| | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|--|---|--|
| | Marks' Standard Handbook for Mechanical Engineers, Tenth Edition, "Carrying Conveyors" (Cover page, pp. 10-53 and 10-54) (3 pages) | |
|--|---|--|

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.